



## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

## MEMORANDUM

DATE: March 16, 1982

TO: Land Division File

FROM: Rick Hersemann *RAH*

SUBJECT: LPC #18380427 - Vermilion County  
Danville/Allied Chemical -- Deep Well  
Permit #1980-UIC-2-OP

EPA Region 5 Records Ctr.



288577

928007

An inspection of Allied Chemical's deep well injection facility was made on March 16, 1982, by Rick Hersemann and Glenn Savage, representing this Agency. Mr. Norm Lanter, Supervisor of Environmental Services for Allied Chemical, was present at the time of the inspection.

The deep well injection facility was operating in general compliance at the time of the inspection. Waste was being injected into the well at a rate of 40 gpm at a pressure of 23 psig. Annulus pressure was 225 psig. The waste being injected into the deep well is a hazardous waste in that it has characteristics of corrosivity. The waste is corrosive by definition with a pH less than 2.0.

There are three on-site storage tanks in which waste is stored before being injected into the disposal well. Tanks #33 and #34 have a holding capacity of 20,000 gallons each and tank #40 has a holding capacity of 440,000 gallons. (During the inspection of August 26, 1981, tanks #33 and #34 were misquoted as having a storage capacity of 100,000 gallons each).

At the time of the inspection, tanks #33 and #34 held 5 feet of waste in them. Tank #40 was empty. This leaves Allied with 6 days of storage capacity in case there would be a failure in the disposal well.

Mr. Lanter was asked if Allied had done any work on a groundwater monitoring program to meet the RCRA requirements. He said that no additional work had been done. Mr. Lanter stated that Allied has 40 shallow monitor wells at their facility. Fifteen of these monitor wells are sampled on a quarterly basis with the results being sent to I.E.P.A.

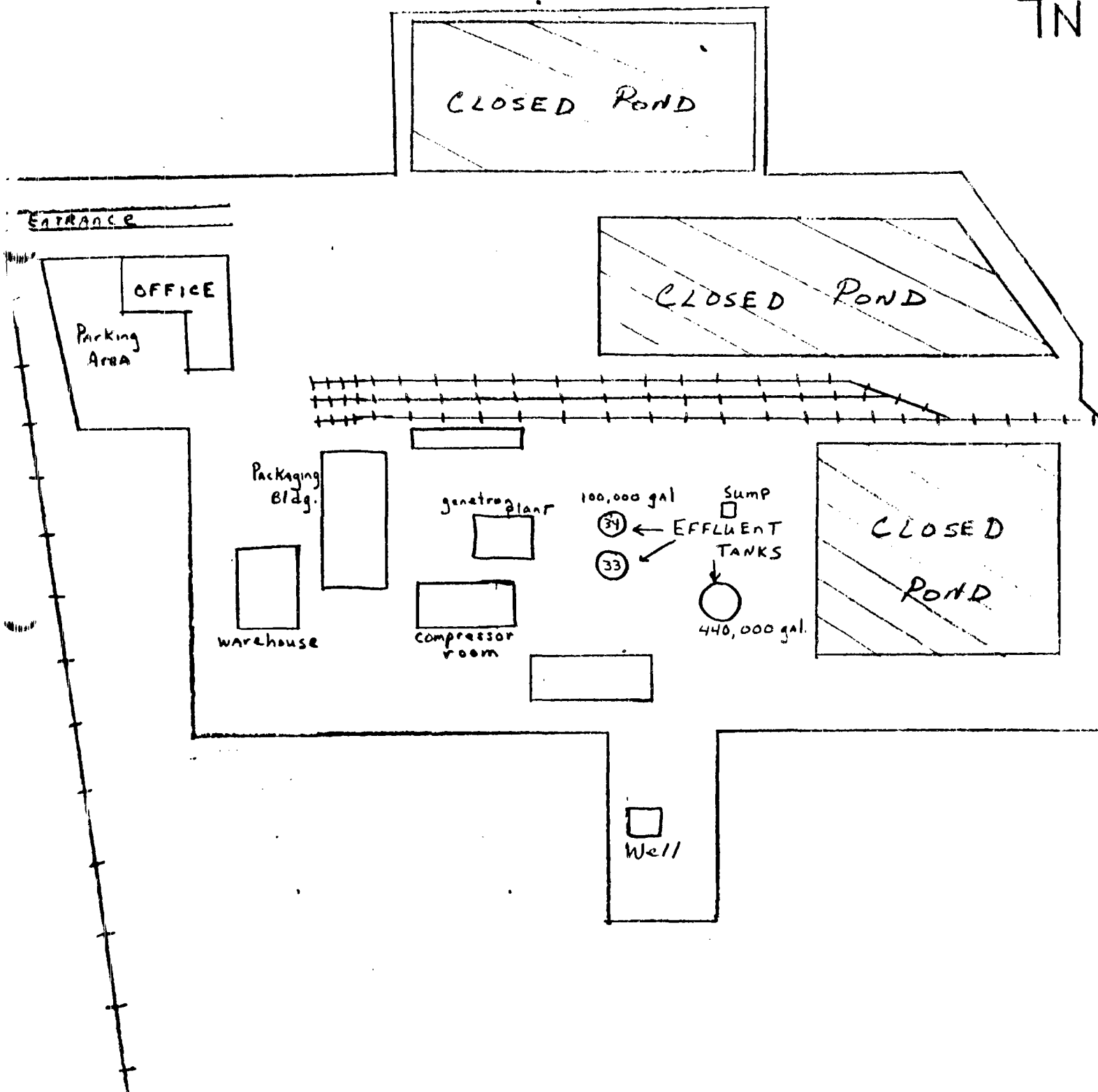
Permillion Co. - LPC 18380427

DATE: \_\_\_\_\_

ANVILLE / Allied Chemical  
Deep Well

TIME: \_\_\_\_\_

4 IN



ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS

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(1) (8) (9)

ISS

ILD 005463344

OBSERVATION REPORT - SITE INVENTORY NO. 18380427

VERMILION

CO. - L.P.C.

Region # C

Date 03/16/82

DANVILLE

1 ALLIED CHEMICAL

Letter Sent (Yes or No) Y

(Location)

(Responsible Party)

Samples Taken: Yes ( ) No (X) Time: From 10:10 A m

Weather 60- overcast (26)

Ground Water( ) Surface( ) Other( ) To 12:10 P m

Photos Taken: Yes ( ) No (X) Interviewed NORMAN LAUTER

Inspector G D S

Previous Inspection 8-26-81 Previous Correspondence 9-3-80

Site Open: Yes (X) No ( )

OPERATIONAL STATUS:

TYPE OF OPERATION:

AUTHORIZATION:

Operating (X) Landfill ( ) Storage ( ) E.P.A. Permit (X)  
Temporarily Closed ( ) Random Dump ( ) Salvage ( ) Variance ( )  
Closed Not Covered ( ) Other Deep Well (X) A.C.D. ( ) 21(e) ( )  
Closed and Covered ( ) Quantity Received Daily(1-6) 1 Board Order ( )  
(30) Illegal (5) ( )

IMPROVED

LPC 4 1/79 5,000

ME

I S or D

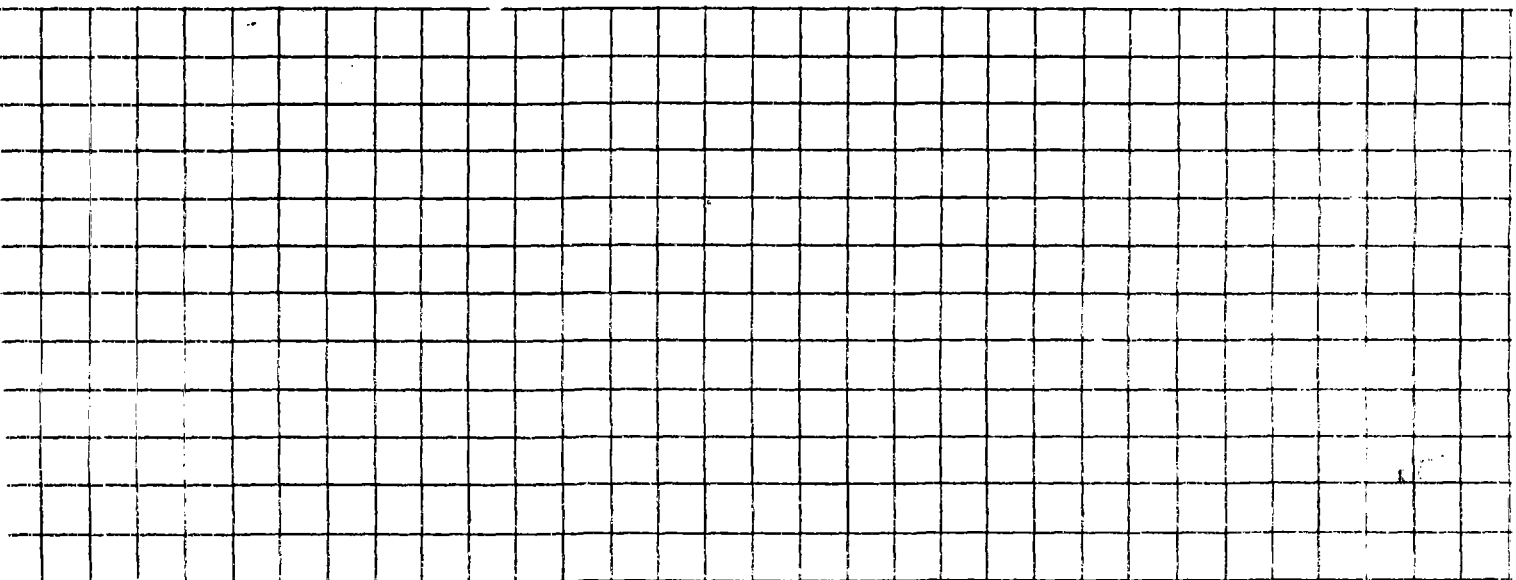
DETERIORATED

(62)

GENERAL REMARKS: An Interim Status Standards Inspection was conducted on March 16 1982 at the Allied Chemical facility in Danville by John J. and Rick Husemann. Norm Lauter, Supervisor of Environmental Services, was interviewed at the plant. The facility is collecting various waste, some hazardous waste and disposing a hazardous waste through deep well injection. Approximately 157,500 tons of hazardous waste, constituents include polychlorinated biphenyls, PCBs, and cyanide, are disposed through the injection well annually. This waste is listed as D002, and is characterized by having a pH of less than 2.0.

INTERVIEW: An arsenic-cyanide sludge is produced twice per year after the slimes are cleaned out. Approximately 1100 kilograms are produced per year. The waste is listed as K021 in the Federal Register and contains more than the EPA limit for arsenic, 5.0 ppm. In the Part A filed by Allied the waste is also listed as D004. The waste is stored in drums and is waiting to be transported. Chemical Waste Mgt. has a special waste permit to load it and dispose it in Enfield, Arkansas, but has not done so as yet.

DIAGRAM:



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